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Attorney Docket No.	NTT-3.2.142/3516
First Inventor	Shiquan WU et al
Title	ADAPTIVE TIME DIVERSITY AND SPATIAL DIVERSITY FOR OFDM
Express Mail Label No.	EL694443085US

(Only for new nonprovisional applications under 37 CFR 1.53(b))

ADDRESS TO:	Assistant Commissioner for Patents Box Patent Application Washington, DC 20231
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See MPEP chapter 600 concerning utility patent application contents.

3. ☒ **Fee Transmittal Form** (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
4. ☐ **Applicant claims small entity status.**
See 37 CFR 1.27. 32
5. ☒ **Specification** [Total Pages 32]
(preferred arrangement set forth below)
- Descriptive title of the invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
6. ☒ **Drawing(s)** (35 U.S.C. 113) [Total Sheets 6]
7. ☐ **Oath or Declaration** [Total Pages]
- a. ☐ **Newly executed (original or copy)**
- b. ☐ **Copy from a prior application (37 CFR 1.63 (d))**
(for continuation/divisional with Box 18 completed)
- i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
8. ☐ **Application Data Sheet.** See 37 CFR 1.76

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (*Appendix*)
8. Nucleotide and/or Amino Acid Sequence Submission (*if applicable, all necessary*)
- a. ☐ Computer Readable Form (CRF)
- b. Specification Sequence Listing on:
- i. ☐ CD-ROM or CD-R (2 copies); or
- ii. ☐ paper
- c. ☐ Statements verifying identity of above copies

9. ☐ Assignment Papers (cover sheet & document(s))

10. ☐ 37 CFR 3.73(b) Statement ☐ Power of Attorney
(when there is an assignee)

11. ☐ English Translation Document (if applicable)

12. ☐ Information Disclosure ☐ Copies of IDS
Statement (IDS)/PTO-1449 Citations

13. ☐ Preliminary Amendment

14. ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)

15. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)

16. ☐ Request and Certification under 35 U.S.C. 122
(b)(2)(B)(i). Applicant must attach form PTO/SB/35
or its equivalent.

17. ☐ Other:

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:


☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: _____/_____

Prior application information: Examiner _____ Group Art Unit: _____

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion of the disclosure is omitted from the submitted application parts.

☐ Customer Number or Bar Code Label or ☒ Correspondence address below

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Name (Print/Type)	Robert J. Hess	Registration No. (Attorney/Agent)	32,139
Signature		Date	29 DEC 00

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

Patent fees are subject to annual revision. Small Entity payments must be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB/09-12.

Application Number	To be assigned
Filing Date	Concurrently herewith
First Named Inventor	Shiquan WU et al
Group Art Unit	To be assigned
Examiner	To be assigned

Attorney Docket Number	NTL-3.2.142/3516
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FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity		Small Entity			
Code	(\$)	Code	(\$)	Fee Description	Fee Paid

Code	(\$)	Code	(\$)	Fee Description	Fee Paid
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105	130	205	65	Surcharge - Late filing fee or oath
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127	50	227	25	Surcharge - late provisional filing fee or cover sheet
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139	130	139	130	Non-English specification	
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147	2,520	147	2,520	Request for Reexamination
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112	920*	112	920*	Req. publication of SIR prior to Examiner action
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Large Entity		Small Entity				113	1,840	113	1,840	Requesting publication of SIR after Examiner action	
Code	(\$)	Code	(\$)	Fee Description	Fee Paid	115	110	215	55	Extension within first month	
101	710	201	355	Utility filing fee	\$ 710.00	116	390	216	195	Extension within second month	
106	320	206	160	Design filing fee		117	890	217	445	Extension within third month	
107	490	207	245	Plant filing fee		118	1,390	218	695	Extension within fourth month	
108	710	208	355	Reissue filing fee		128	1,890	228	945	Extension within fifth month	
114	150	214	75	Provisional filing fee		119	310	219	155	Notice of Appeal	

120	310	220	155	Brief in support of an appeal
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121	270	221	135	Request for oral hearing
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			Extra Claim	Fee below	Fee Due	138	1,510	138	1,510	Petition to institute a public use proceeding	
Total Claims	36	-20 =	16 x	9 or 18	\$288.00	140	110	240	55	Petition to revive - unavoidable	
Indep. Claims	6	-3 =	3 x	40 or 80	\$ 240.00	141	1,210	241	605	Petition to revive - unintentional	
Multiple Dependent --				130	\$	142	1,240	241	620	Utility issue fee (or reissue)	

143	440	243	220	Design issue fee . .
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Large Entity		Small Entity			144	600	244	300	Plant issue fee	
Code	(\$)	Code	(\$)	Fee Description	122	130	122	130	Petitions to the Commissioner	
103	18	203	9	Claims in excess of 20	123	50	123	50	Petitions related to provisional applications	
102	80	202	40	Independent claims in excess of 3	126	240	126	240	Submit Info. Disclosure Stmt	
104	270	204	135	Multiple dependent claim, if not paid	581	40	581	40	Patent Assignment per property	\$ 40.00
109	80	209	40	**Reissue independent claims over original patent	146	710	246	355	Filing a submission after final rejection (37 CFR 1.129(a))	
110	18	210	9	**Reissue claims in excess of 20 and over original patent	149	710	249	355	For each additional invention to be examined (37 CFR 1.129(b))	
				SUBTOTAL (2)		(\$)528.00	Other fee (specify) _____			

*Reduced by Basic filing fee Paid	SUBTOTAL (3)	\$ 40.00
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Complete (if applicable)

Registration Number	32.139
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